



The block diagram shows a control system. A multi-channel device (10) is connected to a control unit (30). The device has multiple channels (12, 14, 16, 18) and a common ground (24). A control unit (30) is connected to the device via a control line (46) and a data line (42). The control unit contains a microprocessor (μP) and a memory (39). The device is also connected to a power source (34a) and a ground (34b).